

### ABSTRACT

A method for controlling the functioning of a tire includes the steps of determining estimations or measurements of the slip  $G_i$  and the coefficient of friction  $\mu_i$  prevailing at such slip for at least one pair "i" of values  $(G_i, \mu_i)$ ; determining the corresponding values of the slope  $\alpha_i$  of the straight line passing through the origin and through each pair  $(G_i, \mu_i)$ ; calculating a coefficient B by direct calculation or by a regression from a sufficient number of pairs of  $(\alpha_i, G_i)$  so as to estimate the value of slope  $\alpha_0$  at the origin; and using  $\alpha_0$  in an indicator of the longitudinal stiffness of the tread pattern.